

HAZARD CLASSIFICATION FOR DAMS

DAMAGE TO:	AREA AFFECTED BY DAM BREACH		
	LOW	SIGNIFICANT	HIGH
LOCATION	<i>Rural or Agricultural</i> Damage would be minimal and would mostly occur on dam owner's property. No building, road, railroad, utility, or individual significantly affected.	<i>Predominantly Rural or Agricultural</i> but roads, buildings, utilities or railroads may be damaged.	<i>Developing or Urban</i> Where individuals could be seriously injured or killed. Buildings, roads, railroads or utilities seriously damaged.
POTENTIAL LOSS OF LIFE Flood depths greater than 1 foot in occupied quarters. Potential of loss of life in recreational areas where adequate warning systems are not available.	No	No	Yes
ROADS County Roads/Single Lane State Roads (serving as the only access to a community), Dual lane State Roads, U.S. and Interstate Roads.	No Damage	May Damage Damage may occur when road surface acts as weir and depth of flow is greater than 2 feet over road.	Serious Damage Interruption of service for more than 1 day.
RAILROADS Operating Railroads	No Damage	May Damage Damage may occur when railroad surface acts as weir and depth of flow is greater than 2 feet over railroad.	Serious Damage Interruption of service for more than 1 day.
BUILDINGS Homes-Single family residences, apartments, nursing homes, motels and hospitals	No Damage	May Damage Any flooding against building	Serious Damage Damage will occur when the product of velocity fps at the building, times the depth of flow compromises the integrity of the structure.
BUILDINGS (cont'd.) Industrial/Commercial/Public (schools, churches, libraries Etc).	No Damage	May Damage Kind, construction and contents of building must be evaluated. General damage may occur at any depth of flooding	Serious Damage Kind, construction, and contents of building must be evaluated. General serious damage can occur at a depth of 3 feet.
UTILITIES	No Damage	May Damage Damage may occur to relatively important utilities when buried lines can be exposed by erosion and when towers, poles and above ground lines can be damaged by undermining or by debris produced from flood plain.	Serious Damage Interruption of service to interstate and intrastate power and communication lines serving towns, communities, and significant military and commercial facilities in which disruption of power and communication would adversely affect the economy, safety, and general well-being of the area for more than 1 day.

Source: Indiana Department of Natural Resources, Division of Water, *General Guidelines for New Dams and Improvements to Existing Dams in Indiana*, 2001 Edition.